

Table 1: Summary of Elevation Data and Anticipated Depth of the Proposed Phase 1D Borings

Boring	Northing	Easting	1971 Elevation	1975 Elevation	1979 Design Elevation	2014 Elevation	Minimum of 1971, 1975, 1979 Elevations	Anticipated Depth of Boring
1D-1	1,069,084.94	515,745.70	457.5	454.9		462.2	454.9	7.3
1D-2	1,068,998.58	515,777.22	462.1	445.3		466.6	445.3	21.3
1D-3	1,068,972.45	515,874.51	444.2	463.9		471.5	444.2	27.3
1D-4	1,068,793.50	516,091.90	434.0	449.0	467.2	496.3	434.0	62.2
1D-5	1,068,649.79	516,038.76	431.6	438.9	457.7	486.1	431.6	54.5
1D-6	1,068,729.80	516,151.73	431.6	447.8	458.6	510.9	431.6	79.3
1D-7	1,068,645.80	516,152.49	441.3	437.5	451.4	511.3	437.5	73.8
1D-8	1,068,818.90	516,241.96	431.6	456.2	460.7	516.4	431.6	84.7
1D-9	1,068,668.89	516,214.42	440.2	438.7	450.1	519.1	438.7	80.4
1D-10	1,068,897.82	516,307.30	431.6	464.9	463.7	503.4	431.6	71.8
1D-11	1,068,732.16	516,318.69	431.6	439.1	449.7	521.7	431.6	90.1
1D-12	1,068,879.49	516,446.50	431.6	444.1	445.8	505.5	431.6	73.9
1D-13	1,068,808.45	516,404.51	431.6	443.6	450.4	519.5	431.6	87.9
1D-14	1,068,737.78	516,389.12	440.5	439.3	447.0	521.6	439.3	82.3
















Notes:

- 1) The 1971 Elevation was determined from a March 12, 1971 topography developed by Surdex Corporation from historical aerial photogrammetry.
- 2) The 1975 Elevation was determined from an April 6, 1975 topography developed by Surdex Corporation from historical aerial photogrammetry.
- 3) The 1979 Elevation was determined by a surface provided by Aquaterra to represent the bottom of the fill - its methodology of determination is unknown.
- 4) The 2014 Topography was determined from an aerial topography from Cooper Aerial. Date of flyover March 12, 2014.
- 5) Elevations are for the ground surface in units of feet above mean sea level (amsl).
- 6) Boring depths are in feet below ground surface (bgs)





## LEGEND

- |   |   |
|---|---|
|    | PROPOSED PHASE 1D BORING LOCATION   |
|    | PHASE 1 BORING LOCATION   |
|    | LOCATIONS WITH ELEVATED PHASE I GAMMA READINGS AND/OR RADIUM OR THORIUM ABOVE UNRESTRICTED USE LEVELS |
|    | RI BORING WITH ELEVATED DOWNHOLE GAMMA READING  |
|    | RI BORING WITH NON-ELEVATED DOWNHOLE GAMMA READING  |
|    | BEDROCK GROUNDWATER WELL  |
|    | SFS ESTIMATED MINIMUM EXTENT OF RIM   |
|    | SFS ESTIMATED EXTENT OF RIM   |
|    | SFS ESTIMATED POTENTIAL OUTER EXTENT OF RIM   |
|    | FENCE   |
|    | 03-20-14 TOPOGRAPHIC CONTOUR  |
|    | APPROXIMATE INTERSECTION OF 1971 AND 1975 TOPOGRAPHY  |
|    | EDGE OF NORTH QUARRY HIGH WALL  |
|  | APPROXIMATE AREA 1 BOUNDARY   |
|  | NORTH TOE OF ABOVE GRADE PORTION OF NORTH QUARRY LANDFILL UNIT  |

NOTES:

- X AERIAL TOPOGRAPHY PROVIDED BY  
COOPER AERIAL SURVEYS CO. AND IS  
DATED MARCH 20, 2014  
X ALL ELEVATIONS ARE ABOVE  
MEAN SEA LEVEL (AMSL)

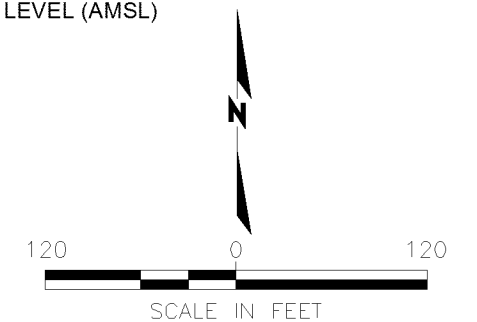


Figure 1  
PROPOSED PHASE 1D BORINGS  
IN AREA 1

West Lake Landfill OU-1

**EMSI** Engineering Management Support, Inc.